(Use several sheets if necessary)

				U.S. PATENT DOCUMENTS		# 2	10.87
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,159,538	12/12/2000	Rodriguez, et al.	427	213.31	06/15/1999
		6,232,706 B1	05/15/2001	Dai, et al.	313	309	11/12/1998
		6,221,330 B1	04/24/2001	Moy, et al.	423	447.3	08/04/1997
		6,231,980 B1	05/15/2001	Cohen, et al.	428	402	11/25/1997
· · · · · · · · · · · · · · · · · · ·		6,210,800 B1	04/03/2001	Nesper, et al.	428	367	12/17/1997
		6,187,823 B1	02/13/2001	Haddon, et al.	516	32	09/29/1999
		6,183,714 B1	02/06/2001	Smalley, et al.	423	447.3	07/26/1996
	•	5,916,642	06/29/1999	Chang	427	580	11/21/1996
	•	5,773,834	06/30/1998	Yamamoto, et al.	250	423 F	02/12/1997
		5,753,088	05/19/1998	Olk	204	173	02/18/1997
		5,641,466	06/24/1997	Ebbesen, et al.	423	447.2	06/02/1994
				FOREIGN PATENT DOCUMENTS		<u> </u>	
		,					

				61.465	1	Translation	lation
REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
*	WO 98 39250 A	03/06/1998	PCT				
	EP 1 061 040 A	12/06/2000	EPO .				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

A.G. Rinzler, et al., "Large-Scale Purification of Single-Wall Carbon Nanotubes: Process, Product, and Characterization," APPLIED PHYSICS A, 1998, 67,pages 29-37.

S. Bandow, et al., "Purification of Single-Wall Carbon Nanotubes by Microfiltration," J. PHYS. CHEM. B, 1997, 101, pages 8839-8842.

**EXAMINER** 

DATE CONSIDERED

(Use several sheets if necessary)

Docket Number (Option di	Application Number
Applicant(s) Dillon, Anne C., et al.	
Filing Date	Group Art Unit

*** **	DATERIT	DOCUMENTS

				U.S. PATENT DOCUMENTS				
XAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DAT	
		5,698,175	12/16/1997	Hiura, et al.	423	447.1	07/03/1995	
								-
		·						
	ļ							
	-							
	_							
							<u> </u>	
				FOREIGN PATENT DOCUMENT	s 	т	Translati	on
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
		·						
				OTHER DOCUMENTS (Include	ing Author, Title,	Date, Pertinent	Pages, Etc.)	
				ingle-Wall Carbon Nanotube Prodi CONF PROC, 1998, vol. 526, pages Aetallic Carbon Nanotubes," SCIE				ase
	ER			DATE CONSIDERED				

Form PTO-A820 (also form PTO-1449)

not considered. Include copy of this form with next communication to applicant.

Patent and Trademark Office \* U.S. DEPARTMENT OF COMMERCE

(Use several sheets if necessary)

Docket Number (Optional)	Application Number
Applicant(s) Dillon, Anne C., et al.	
Filing Date	Group Art Unit

U.S. PATENT DOCUME
--------------------

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	<u> </u>						
				·			
	·						
	J			FOREIGN PATENT DOCUMENTS			
				<del></del>	T	7	

CLASS SUBC					SUBCLASS	Trans	Translation	
	REF.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	'NO
				·				
								-

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Shelimov K. B., et al., "Purification of Single-Wall Carbon Nanotubes by Ultrasonically Assisted Filtration," Chemical Physics Letters, 23 January 1998, vol. 282, pages 429-434.
De la la Carta de Angliad Discolor

Yanagi H, et al., "Self-Orientation of Short Single-Walled Carbon Nanotubes Deposited on Graphite," Applied Physics Letters, 5 March 2001, A, vol. 78, no. 10, pages 1355-1357.

EXAMINER

DATE CONSIDERED

(Use several sheets if necessary)

Docket Number (Optionel)	Application Number
Applicant(s) Dillon, Anne C., et al.	
Filing Date	Group Art Unit

TIC	DA	TENT	DOCI	UMENTS

	<del></del>		<del>                                     </del>	U.S. PATENT DOCUMENTS	C1.100	SURCIASE	FILING D	ATE
AMINER NITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPROP	
	++							_
					+	<del> </del>		
	1 7			1	1_			_
	+			,			. <del></del>	
					-	<del> </del>		<del></del>
						1		_
	<del>  -  </del>		1					
}		· · · · · · · · · · · · · · · · · · ·						
	1							
	1		+		<del>                                     </del>	1		
		!						
<u> </u>	+							
					+	-		
					4			
	+							
					-	+		
				1		1		
	<u></u>			FOREIGN PATENT DOCUMENTS				
	<del>                                     </del>			COUNTRY	CLASS	SUBCLASS	Transl	
	REF	DOCUMENT NUMBER	DATE	COUNTRI		+	YES	NO
	<del>                                     </del>			,				
	+							
							-	
	+			`\	1			
								<u></u>
	<del>                                     </del>		T				1	
	<u> </u>					_ <del></del>		
				OTHER DOCUMENTS (Including	Author, Title, 1	Date, Pertinent Po	ages, Etc.)	
7	T.	Database WPI, Section	n Ch, Week 19943 i 228824 A (Nec C	7, Derwent Publications Ltd., Londo Corp).	on, GB; Class	<b>∟</b> 50, AN 1994-	JUU284,	
		A1 VV2140443 & JT W		• •				
						F26 42	2/2//2	
		Database WPI, Section	n Ch, Week 20010	07, Derwent Publications Ltd., Londo utaba Denshi Kogyo KK).	on, GB; Class	E36, AN 2000-	.542463,	
		VDOOSTECA	7000 023 ves · ·	atapa Densii Koovo KK i				
		XP002170206 & KR 2	.000 023 053 A (F	atada Denshi Kogyo KK).				
		XP002170206 & KR 2	.000 023 053 A (F)	mana nensin kogyo kk).		·		

EXAMINER

(Use several sheets if necessary)

Docket Number (Option	Application Number
Applicant(s) Dillon, Anne C., et al.	
Filing Date	Group Art Unit

TIC	DATENT	DOCUMENTS

EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE  IF APPROPRIATE
<del></del>							
	<u></u>			FOREIGN PATENT DOCUMENTS		1	<u> </u>
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO
	""					<del> </del>	<del>                                     </del>

			CLUSS			SUBCLASS	Translation	
l	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	1	<b>j</b>						
<u> </u>								
		,						
	1					<u> </u>		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Dujardin E. et al., "Purification of Single-Shell Nanotubes," Advanced Materials, vol. 10, no. 8, 2 June 1998, pages 611-613

Database WPI, Section Ch, Week 199829, Derwent Publications Ltd., London, GB; Class E36, AN 1998-328251, XP002170207 & JP 10 120409 A (Taji K).

EXAMINER

DATE CONSIDERED

(Use several sheets if necessary)

Docket Number (Option)	Application Number
Applicant(s) Dillon, Anne C., et al.	
Filing Date	Group Art Unit

				U.S. PATENT DOCUMENTS				
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING I	
				·				
		·						<u></u>
	ļ							<del> </del>
	] ·			,				
	<u> </u>			FOREIGN PATENT DOCUMENTS				
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Trans YES	lation NO
	<u> </u>							
	}							
	-					ļ		
	<u> </u>							
	<u> </u>		<u> </u>	OTHER DOCUMENTS (Including	Author, Title. L	Date, Pertinent Pa	iges, Etc.)	L
	T	Dillon A. C., et al., "Sto	orage of Hydroge	en in Single-Walled Carbon Nanotube	es," Nature, v	ol. 386, 27 Ma	rch 1997,	pages
		Dillon A. C,. et al., "A	Simple and Com	plete Purification of Single-Walled C	arbon Nanoti	ıbe Materials,''	vol. 11, n	o. 16, 10
		November 1999, pages	1354-1358.					

EXAMINER DATE CONSIDERED